




Assessment Summary

Middle Fork Quicksand Creek 0.0 to 10.05 KY498133_01				This part of the stream partially supports aquatic life.
Mouth to Big Fire Coal Branch				
Knott County, Kentucky River Basin				
HUC 05100201				
Assessment Date: 2/22/2016				
Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods ^{1,2,3}
 (4C-PS)	Particle distribution (Embeddedness)	Legacy coal extraction, Petroleum/natural Gas Activities	Man-made or man-induced alteration of the chemical, physical (e.g. habitat), biological, and radiological integrity of water	Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring
 (5-PS)	Sedimentation/Siltation	Legacy coal extraction, Petroleum/natural Gas Activities, Rural (Residential Areas)	Sediment deposition is negatively affecting the aquatic community (e.g. habitat smothering) and/or recreation	Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring

¹ Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

² Data Source(s): KDOW PROB

³ Data Collection Date(s): 8/2/2013

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